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The State of the Art of Document Image Degradation Modeling - Baird (2000) (Correct) (3 citations)

of high-contrast (essentially monochromatic, **black** and white) machine-printed pages, I will assume X-Y coordinate system, in units of square **pixels** per inch)The coarsening that results from do not exhaust the possibilities: image **compression** and transmission (as in FAX) create important www.parc.xerox.com/istl/groups/did./papers/ps/Baird2000\_state.ps

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images, and 216 for Netscape version of GIFs, 2 for **black** and white images, etc.Dithering is used for The new technique embeds one message bit into one pixel (its pointer to the palette)The **pixels** for to common image processing operations and lossy **compression**. The steganographer's job is to make the ssie.binghamton.edu/~jirif/Research/pics99.ps

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white represents positive-valued coefficients and **black** represents negative-valued coefficients. to 512 Cosine Transform (DCT) of an NRxNC block of **pixels**, and the Inverse Discrete Cosine Transform (IDCT) Video **Compression** using the Three Dimensional Discrete Cosine www.dip.ee.uct.ac.za/~marcs/research/3D-DCT/3d\_dct\_paper.ps.gz

Progressive Classification In The Compressed.. - Castelli.. (1996) (Correct) (1 citation)

is a multispectral **scanner** (MSS) image of the **Black Hills**, taken by the Landsat 2 satellite in 1972. less computationally expensive than the classical **pixel-by-pixel** approach. This approach, called are the base of several effective data **compression** schemes, in which the image is first www.stat.purdue.edu/people/yiannis/PAPERS/icassp.ps.gz

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the probability distribution of a **pixel** being **black** or white ( $P(x_{ij}jk)$  in eq. 1) along the edges algorithm computes a weighted sum of the error **pixels**, in which higher weights are given to clustered Thesis Proposal Document Image **Compression** via Pattern Matching Qin Zhang Joint work www.cs.dartmouth.edu/~zhangq/papers/proposal.ps.gz

A A C Co om mp pl le et te e O OC CR R S Sy ys st te em m D De.. - Ta Am Mi (2003) (Correct)

by scanning a hard copy magazine document as a **black &white** photograph at 300 dpi using a flat-bed at 300 dpi would yield an image of 3324 X 2466 **pixels**. Preprocessing stage consists of four steps: Preprocessing stage consists of four steps: **compression**, skew correction, binarization and noise www.infitt.org/ti2003/papers/07\_aparna.pdf

DeskTop Publishing Scanners - Emmanuel Baltsavias Institute (Correct)

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